

Lyme Disease Surveillance in Massachusetts, 2007

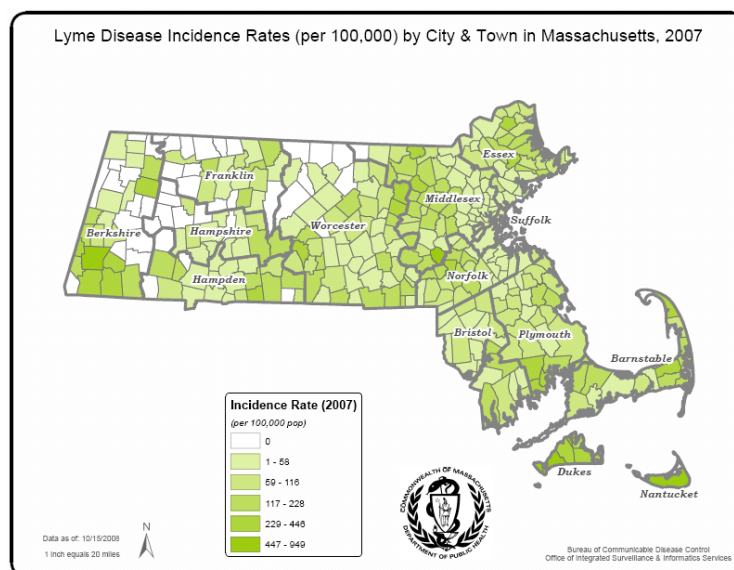
Massachusetts Department of Public Health

2007 Surveillance Highlights

- 3,376 confirmed Lyme disease cases were reported in MA in 2007, representing a 35.4% increase statewide in the number of cases reported in 2006.
- Along with an overall statewide increase in confirmed cases from 2006 to 2007, nearly all counties also reported increased incidence rates.
- The majority of confirmed cases had onsets in June, July and August.
- The average age for a confirmed Lyme disease case was 38 years. The highest reported incidence rates were among children aged 5-9 years and adults aged 55-64 years.
- 33% of confirmed cases did not report an EM rash.

The map below illustrates Lyme disease incidence rates per 100,000 by town in Massachusetts in 2007. The darker the shading the higher the incidence. Lyme disease is considered endemic in the entire state of Massachusetts.

Areas of highest incidence include Cape Cod and southeastern Massachusetts, the islands of Nantucket and Martha's Vineyard, areas north of Boston in Essex county, towns along the upper Middlesex and Worcester county border, along the Quabbin Reservoir watershed, and in southern Berkshire county.



County*	2007 Confirmed Cases (#)	2007 Incidence Rate (per 100,000)
Barnstable	233	105
Berkshire	94	70
Bristol	239	45
Dukes	51	340
Essex	355	49
Franklin	31	43
Hampden	140	31
Hampshire	71	47
Middlesex	665	45
Nantucket	63	662
Norfolk	382	59
Plymouth	366	78
Suffolk	50	7
Worcester	381	51
State Total	3376	53

* County was unknown for 255 cases

Figure 1

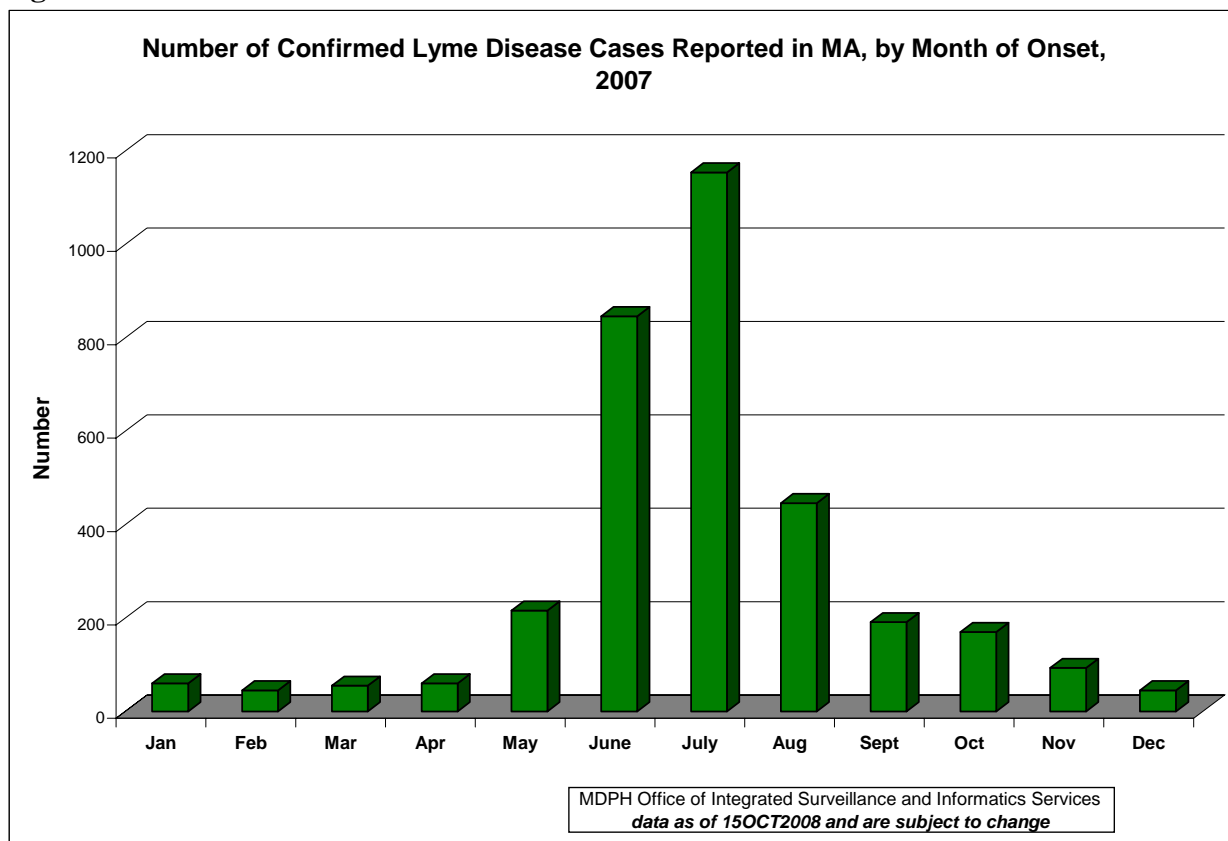


Figure 2

